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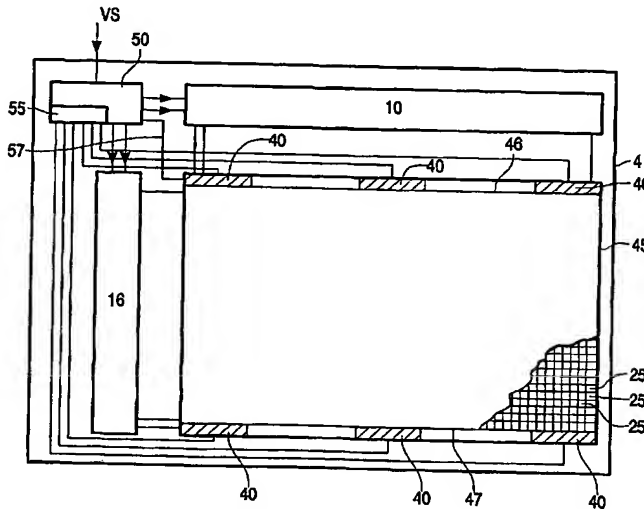
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- (54) Title:** ACTIVE MATRIX DISPLAY DEVICE WITH DC VOLTAGE COMPENSATION BASED ON MEASUREMENTS ON A PLURALITY OF MEASUREMENT PIXELS OUTSIDE THE DISPLAY AREA



(57) Abstract: An active matrix display device, particularly a liquid crystal display device, having an array of display pixels (25) driven with inverting polarity drive voltages includes correction means (40, 55) for providing a measurement indicative of a DC voltage level at the pixels (25), for example caused by kickback effects, and modifying pixel drive voltages accordingly so as to compensate for any display artefacts. The correction means includes a plurality of measurement pixels (40), each comprising one or more dummy display pixels, which are arranged at spaced locations along at least one side of the pixel array (45) and which supply independent measurements indicative of the behaviour of display pixels in their neighbourhood. The correction means is then able, for example, to account for variations in pixel DC levels over the array.